

IN THE CLAIMS:

Please amend the claims as follows:

1-14. (Cancelled)

15. (Currently amended)

A cooling apparatus, detachably coupled with a portable electronic apparatus having a heat generating component and a first connector to supply power, to cool said heat generating component, comprising:

a cooling module having an electric fan and being connected to said heat generating component when coupled with said portable electronic apparatus; and
a second connector, electrically connected to said electric fan, being connected to said first connector when coupled with said portable electronic apparatus to supply said electric fan with the power received from the first connector;

~~The cooling apparatus according to claim 14,~~ wherein said cooling module includes a heat sink thermally connected to said heat generating component when coupled with said portable electronic apparatus and is cooled by said electric fan, and said second connector is coupled to said heat sink and is exposed outside the cooling apparatus.

16. (Currently amended) A cooling apparatus, detachably coupled with a portable electronic apparatus having a heat generating component and a first connector to supply power, to cool said heat generating component, comprising:

a cooling module having an electrically-driven cooling device and being connected to said heat generating component when coupled with said portable electronic apparatus; [and]

a heat sink thermally connected to said heat generating component; and

a second connector electrically connected to said cooling device and thermally connected to said first connector when coupled with said portable electronic apparatus to supply said cooling device with the power received from the first [fist] connector[.];

wherein said second connector is coupled to said heat sink.

17. (Currently amended) A cooling apparatus, comprising:

a cooling module, having an electric fan, adapted to couple with a portable electronic apparatus having a heat-generating component and a first connector to supply power; [and]

a heat sink thermally connected to said heat-generating component; and

a second connector, electrically connected to said electric fan, being connected to said first connector when coupled with said portable electronic apparatus to supply said electric fan with the power received from the first connector[.];

wherein said second connector is coupled to said heat sink.

18. (Currently amended) A cooling apparatus, comprising:

a cooling module, having an electrically-driven cooling device, adapted to couple with a portable electronic apparatus having a heat generating component and a first connector to supply power; [and]

a heat sink thermally connected to said heat generating component; and

a second connector, electrically connected to said cooling device, being connected to said first connector when coupled with said portable electronic apparatus to supply said cooling device with the power received from the first connector[.];

wherein said second connector is coupled to said heat sink.

19. (Previously presented) A cooling apparatus, detachably coupled to an electronic apparatus having a first heat sink thermally connected to a heat generating component and a first connector to supply power provided in the first heat sink, and which cools the heat generating component, said cooling apparatus comprising:

a second heat sink thermally connected to the first heat sink when coupled to the electronic apparatus;

an electronic fan to supply cooling air to the second heat sink; and

a second connector provided in the second heat sink, the second connector being electrically connected to the electronic fan, and being brought into connection with the first connector to supply power to the electronic fan when coupled with the electronic apparatus.

20. (Previously presented) The cooling apparatus according to claim 19, wherein the second heat sink has a heat receiving portion thermally connected to the first heat sink, and the second connector is provided in the heat receiving portion.

21. (Previously presented) The cooling apparatus according to claim 19, wherein the first connector and the second connector each have terminals supplied with a signal to control rotation of the electronic fan.

22. (Previously presented) The cooling apparatus according to claim 19, wherein the first connector and the second connector each have terminals supplied with a signal to recognize mutual coupling of the electronic apparatus and the cooling apparatus.

23. (Previously presented) The cooling apparatus according to claim 19, further including an apparatus main body on which the electronic apparatus rests, the

second heat sink being movable between a thermal connection position which is projected from the apparatus main body and is thermally connected to the first heat sink, and a housing position which is contained within the apparatus main body, wherein when the second heat sink moves to the thermal connection position, the second connector is electrically connected to the first connector, and when the second heat sink moves to the housing position, an electrical connection between the second connector and the first connector is disengaged.

24. (Previously presented) The cooling apparatus according to claim 23, further including an operation mechanism to move the second heat sink to at least one of the thermal connection position and the housing position, and a switch to close a circuit to connect the second connector and the electric fan when the second heat sink moves to the thermal connection position, and to open the circuit when the second heat sink moves to the housing position, the switch being opened and closed by the operation mechanism.